

FIG.1

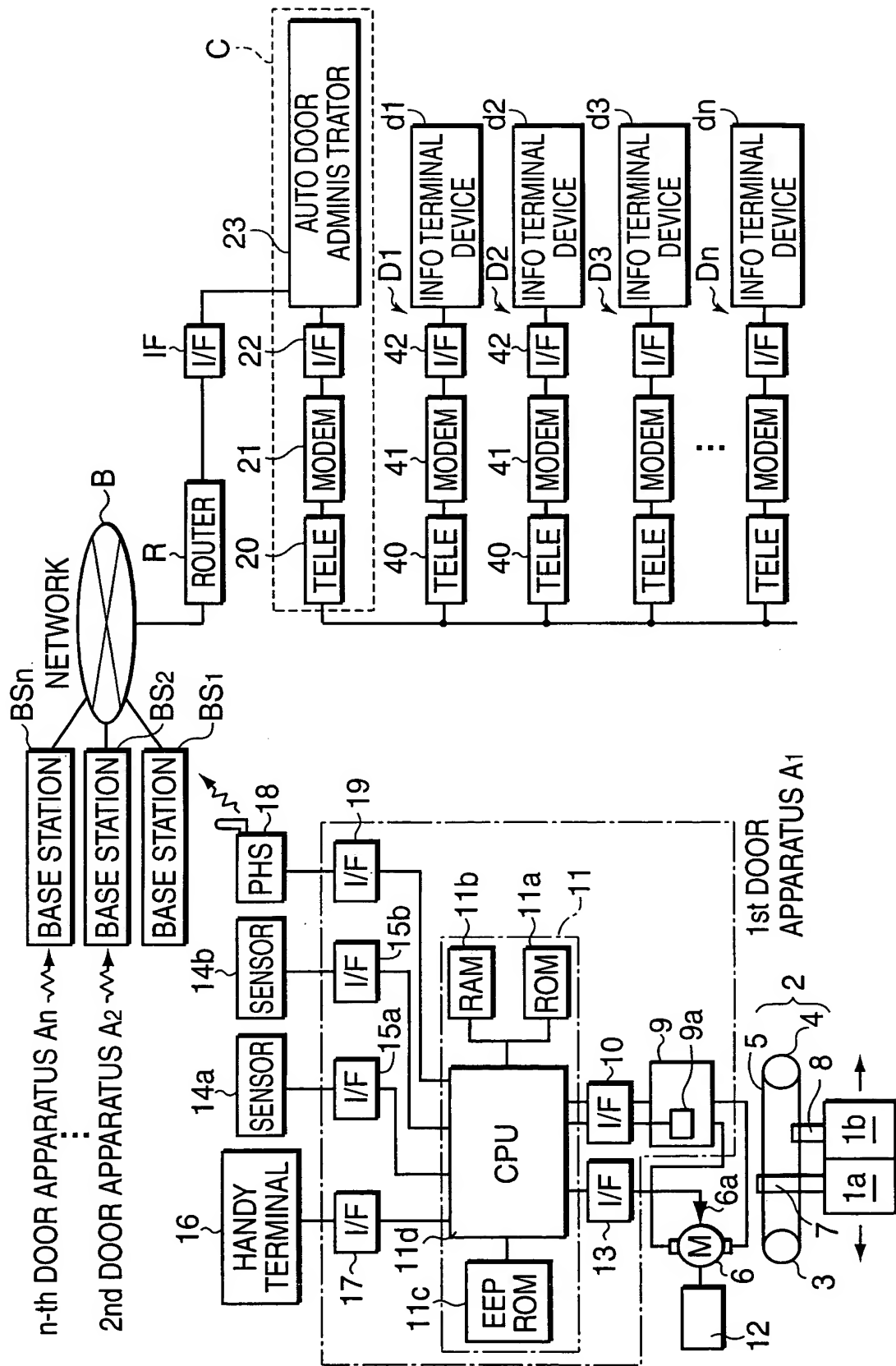


FIG.2

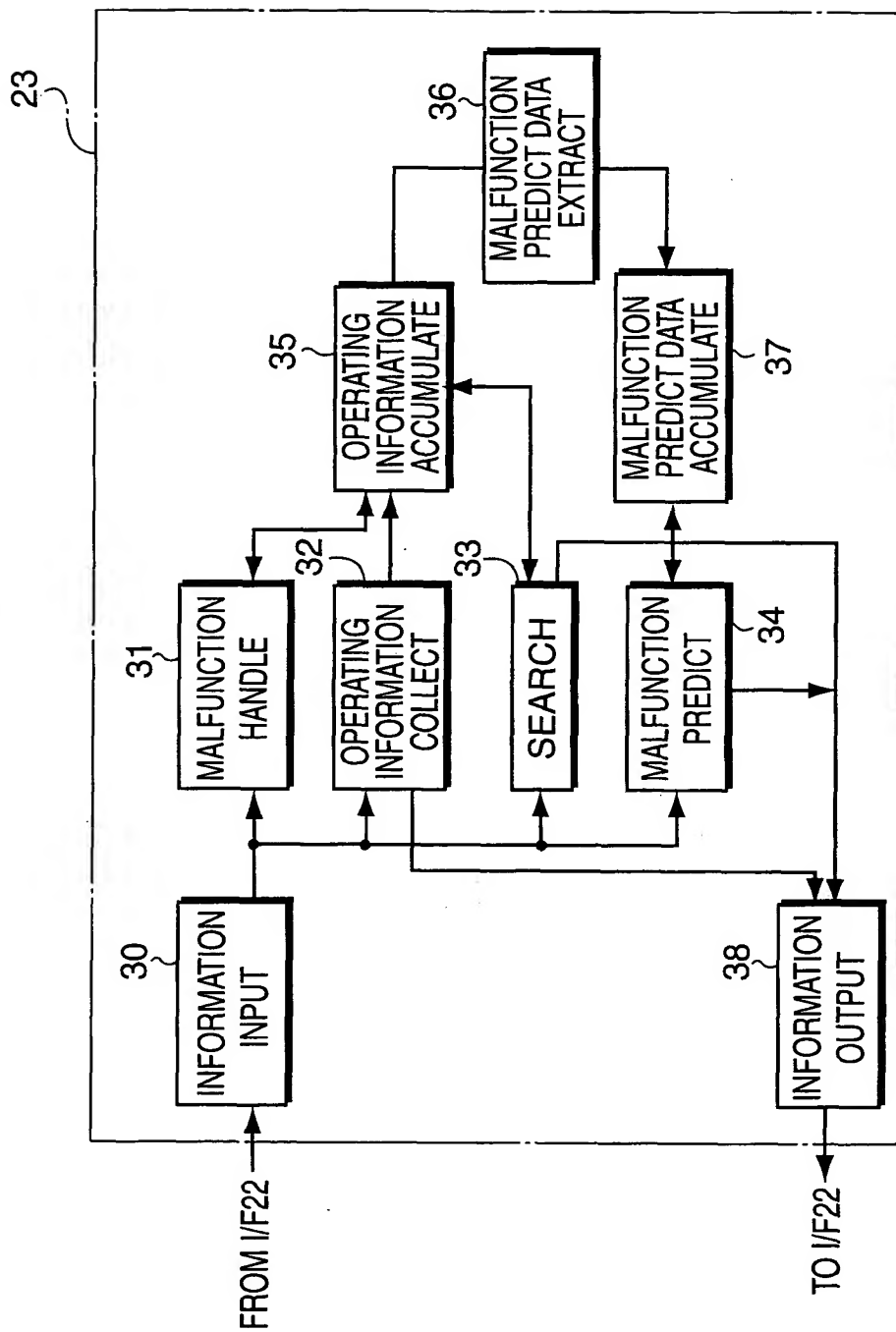


FIG.3A

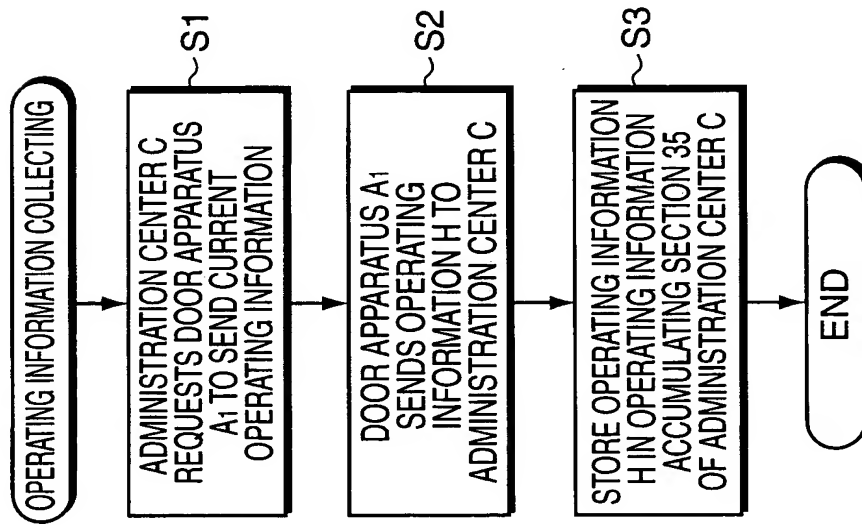
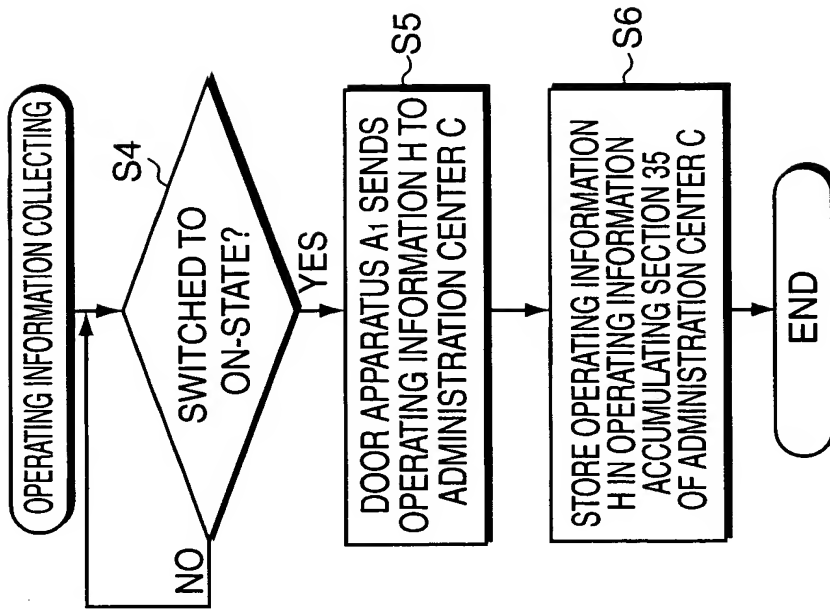


FIG.3B



# FIG.4A

OCCURRENCE OF ABNORMALITY					
<div>⚠ ABNORMALITY TOOK PLACE</div> <div>DATE &amp; TIME: YY/MM/DD hr:min</div> <div>DOOR APPARATUS ID NO.: 123456789</div> <div>CONTENTS OF ABNORMALITY:BELT BREAKAGE</div>					
SPECIFIC DOOR INFORMATION	OPERATION HISTORY	HANDLING CASE	CLIENT INFORMATION	CONTACT MAINTENANCE AGENT	CONTENTS OF DIAGNOSIS
ENGINE TYPE		DS-21-N			
DOOR TYPE		SLIDE DOOR			
INSTALLATION DATE		YY/MM/DD			
PERSONNEL IN CHARGE OF INSTALLATION		AA			
FINAL CHECKUP DATE		YY/MM/DD			
CHECKUP CONTENTS		PERIODIC CHECKUP			
FINAL CHECKUP PERSONNEL		BB			
MANUFACTURER					
REMARKS					
					DETAIL INFORMATION

# FIG.4B

DATE & TIME		OPERATION	RESULT
YY/MM/DD hr:min		START	SELF-CHECK CLEARED
YY/MM/DD hr:min		STOP	
YY/MM/DD hr:min		START MAINTENANCE MODE	
YY/MM/DD hr:min		FINISH MAINTENANCE MODE	
YY/MM/DD hr:min		START	SELF-CHECK CLEARED
YY/MM/DD hr:min		STOP	
YY/MM/DD hr:min		START	SELF-CHECK CLEARED
YY/MM/DD hr:min		STOP	
YY/MM/DD hr:min		START	SELF-CHECK CLEARED
YY/MM/DD hr:min		STOP	

RESET

OPERATING INFORMATION

# FIG.4C

HANDLING CASE
EXAMPLES OF HANDLING PROBLEM OF BELT BREAKAGE
1. xxxxxxxxxxxxxxxxxxxx
2. xxxxxxxxxxxxxxxxxxxx
3. xxxxxxxxxxxxxxxxxxxx

# FIG.5A

OPERATING INFORMATION

OPERATING INFORMATION MAIN SEARCH

SEARCH KEYWORD

ENGINE TYPE

CLIENT NAME

AREA

BUILDER

INSTALLATION YEAR

DS-21-N

ALL

ALL

ALL

1999

50a

50b

50c

50d

50e

NOW

START SEARCH

SEARCH RESULT

ENGINE TYPE	AREA	CLIENT NAME	INSTALLATION YEAR

50f

PRINT SEARCH RESULT

END

# FIG.5B

OPERATING INFORMATION

DOOR APPARATUS ID NO.123456789

OPERATING INFORMATION MAIN SEARCH

SPECIFIC DOOR INFORMATION	OPERATION HISTORY	MAINTENANCE HISTORY	CLIENT INFORMATION
DOOR APPARATUS ID NO.		123456789	
ENGINE TYPE		DS-21-N	
DOOR TYPE		SLIDE DOOR	
INSTALLATION DATE		YY/MM/DD	
PERSONNEL IN CHARGE OF INSTALLATION		AA	
MANUFACTURER			
REMARKS			
DESIGNATED VALUE	51a	51b	

PRINT CATALOG INFORMATION

CLOSE

# FIG.6A

MAINTENANCE HISTORY

SEARCH PERIOD
 

1997 ▼

01 ▼

01 ▼

~

1997 ▼

01 ▼

01 ▼

DATE & TIME	HANDY TERMINAL NO.	REPORT NO.
YY/MM/DD hr:min		MR1234
YY/MM/DD hr:min		MR1235

PRINT

# FIG.6B

OPERATION HISTORY

SEARCH PERIOD
 

1997 ▼

01 ▼

01 ▼

~

1997 ▼

01 ▼

01 ▼

DISPLAY CONTENTS 

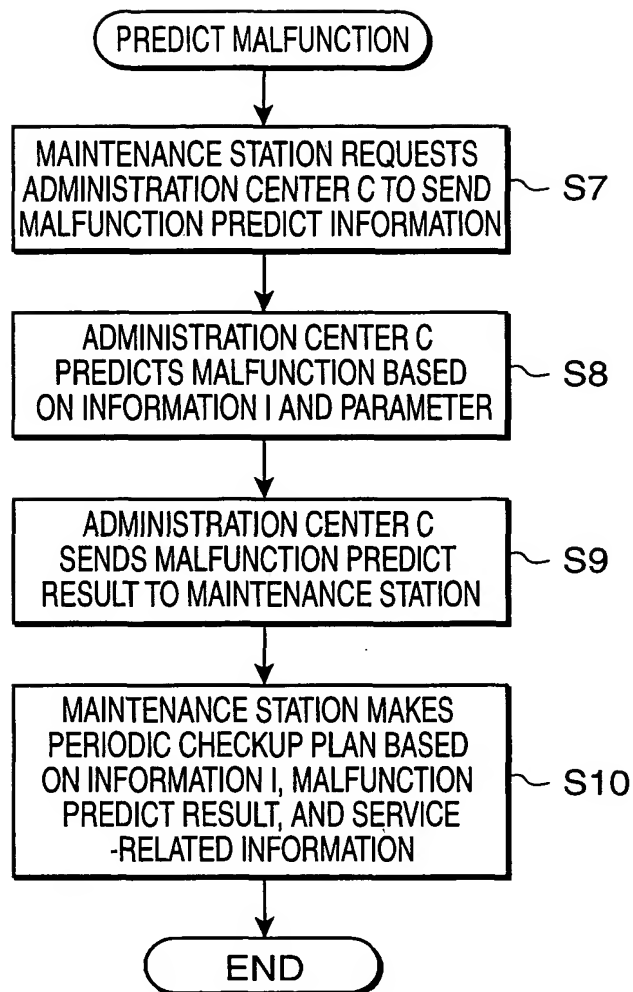
ALL ▼

DATE & TIME	OPERATION	RESULT
YY/MM/DD hr:min	START	SELF-CHECK CLEARED
YY/MM/DD hr:min	STOP	
YY/MM/DD hr:min	START MAINTENANCE MODE	
YY/MM/DD hr:min	FINISH MAINTENANCE MODE	
YY/MM/DD hr:min	START	SELF-CHECK CLEARED
YY/MM/DD hr:min	STOP	
YY/MM/DD hr:min	START	SELF-CHECK CLEARED
YY/MM/DD hr:min	STOP	
YY/MM/DD hr:min	START	SELF-CHECK CLEARED
YY/MM/DD hr:min	STOP	

DETAIL

PRINT

FIG.7



# FIG.8A

OPERATING INFORMATION			
<b>MALFUNCTION PREDICT MAIN SEARCH</b>			
SEARCH KEYWORD			
ENGINE TYPE	DS-21-N		60a
EMERGENCY	MAXIMUM		60b
AREA	ALL		60c
SEARCH PERIOD	JANUARY, 2001	MARCH, 2001	60d
			60e
SEARCH RESULT			
ENGINE TYPE	AREA	CLIENT NAME	INSTALLATION YEAR
PRINT SEARCH RESULT			END

# FIG.8B

OPERATING INFORMATION			
DOOR APPARATUS ID NO.123456789			
<b>MALFUNCTION PREDICT MAIN SEARCH</b>			
SPECIFIC DOOR INFORMATION	OPERATION HISTORY	MAINTENANCE HISTORY	PREDICT CONTENTS
DOOR APPARATUS ID NO.		123456789	
ENGINE TYPE		DS-21-N	
DOOR TYPE		SLIDE DOOR	
INSTALLATION DATE		YY/MM/DD	
PERSONNEL IN CHARGE OF INSTALLATION		AA	
MANUFACTURER			
REMARKS			
DESIGNATED VALUE			
		PRINT CATALOG INFORMATION	
CLOSE			



FIG.9A

OPERATION HISTORY	
SEARCH PERIOD	1997 ▼ 01 ▼ 01 ▼ ~ 1997 ▼ 01 ▼ 01 ▼
DISPLAY CONTENTS	ALL ▼
DATE & TIME	OPERATION
YY/MM/DD hr:min	START
YY/MM/DD hr:min	STOP
YY/MM/DD hr:min	START MAINTENANCE MODE
YY/MM/DD hr:min	FINISH MAINTENANCE MODE
YY/MM/DD hr:min	START
YY/MM/DD hr:min	STOP
YY/MM/DD hr:min	START
YY/MM/DD hr:min	STOP
YY/MM/DD hr:min	START
YY/MM/DD hr:min	STOP
<div>DETAIL</div> <div>PRINT</div>	

FIG.9B

MAINTENANCE HISTORY	
SEARCH PERIOD	1997 ▼ 01 ▼ 01 ▼ ~ 1997 ▼ 01 ▼ 01 ▼
DATE & TIME	REPORT NO.
YY/MM/DD hr:min	MR1234
YY/MM/DD hr:min	MR1235
<div>PRINT</div>	

FIG.9C

PREDICT CONTENTS				
PREDICT CONTENTS	WITHIN 1 WEEK	WITHIN 1 MONTH	WITHIN 3 MONTHS	WITHIN 6 MONTHS
PROBABILITY OF NOISE DUE TO DOOR GEAR ABRASION	20%	30%	60%	100%
PROBABILITY OF NOISE DUE TO RAIL ABRASION	5%	20%	40%	60%
⋮				

FIG.10

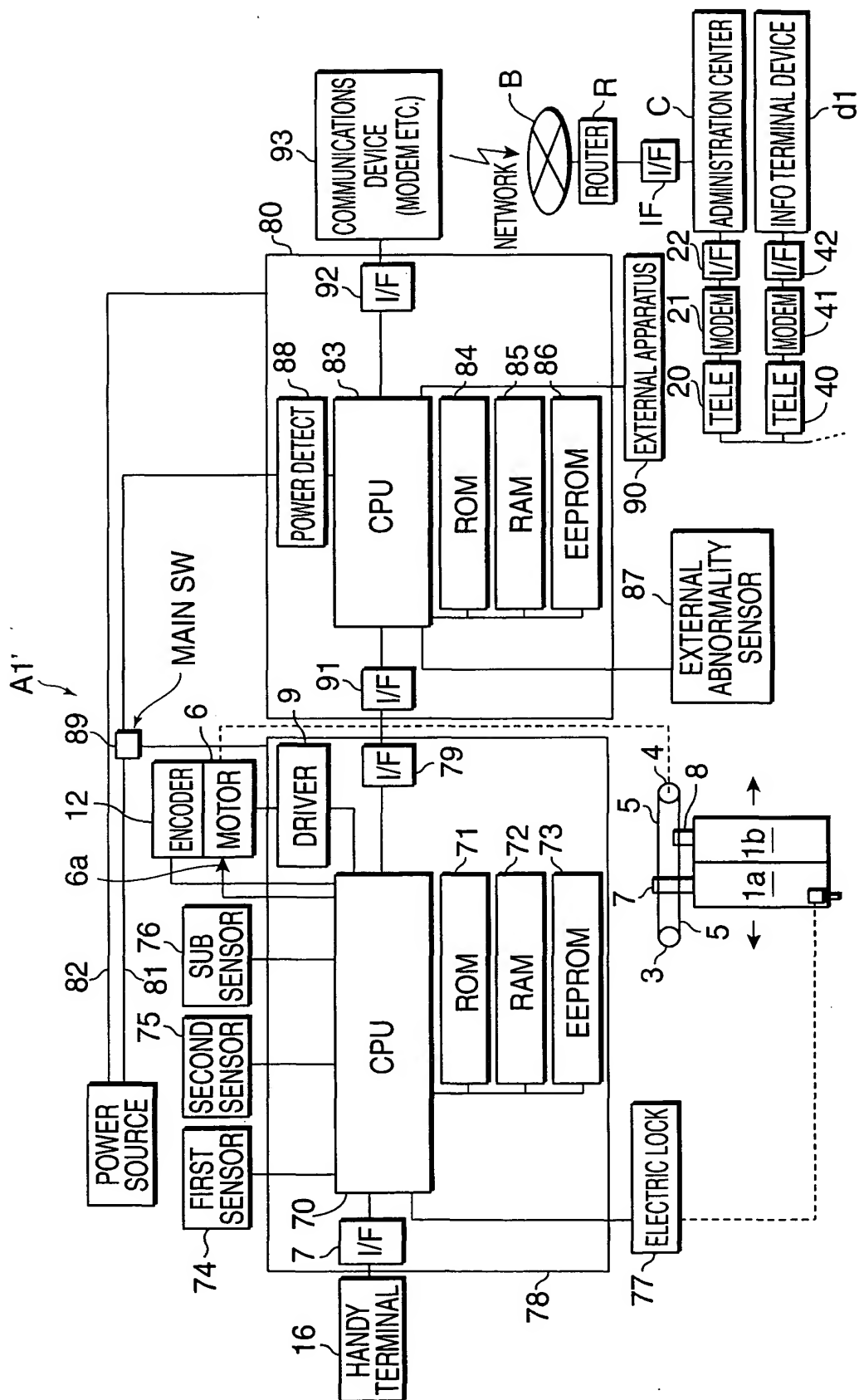


FIG.11

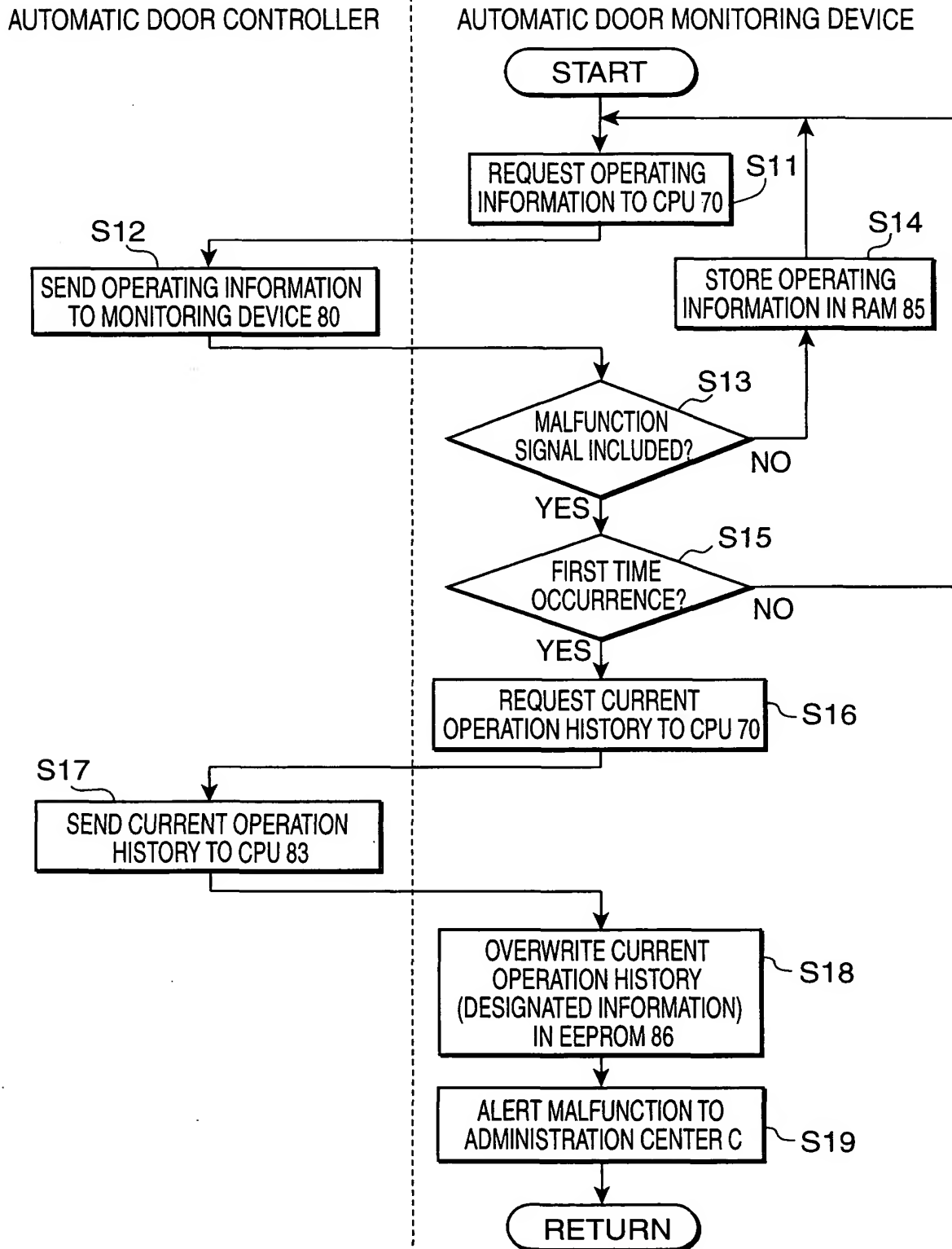


FIG.12

SAFETY RETURN NO.	6
TEMPERATURE SENSOR OPERATED NO.	1
CHECKUP NO.	5
DOOR OPEN/CLOSE NO.	5617
CPU RESET NO.	1

FIG.13

OPENING SPEED (0~7)	7
CLOSING SPEED (0~7)	7
OPEN TIMER (0~3)	1
START TORQUE (0~3)	7
BRAKE TORQUE (0~3)	7
INVERSE TORQUE	5
OPEN CUSHION SPEED (0~3)	2
CLOSE CUSHION SPEED (0~3)	2

FULL-OPEN STROKE (0~100)	92
HALF-OPEN STROKE (0~100)	50

FIG.14

